

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044978 A3

(51) International Patent Classification⁷: A61K 31/44

(21) International Application Number:
PCT/US2004/022697

(22) International Filing Date: 15 July 2004 (15.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/487,325 15 July 2003 (15.07.2003) US

(71) Applicant (for all designated States except US): WASHINGTON UNIVERSITY [US/US]; One Brookings Drive, St. Louis, MO 63130 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WEILBAECHER, Katherine [US/US]; 536 Warren Avenue, University City, MO 63130 (US). BAKEWELL, Suzanne [GB/US]; 255 Watson Street, Monterey, CA 93940 (US).

(74) Agents: BUCKLEY, Kevin, W. et al.; Sonnenschein Nath & Rosenthal LLP, P.O. Box #061080, Wacker Drive Station-Sears Tower, Chicago, IL 60606-1080 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the International search report:
26 January 2006

(15) Information about Correction:

Previous Correction:

see PCT Gazette No. 44/2005 of 3 November 2005, Section π

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF TREATING, PREVENTING AND INHIBITING CANCER METASTASIS AND TUMOR FORMATION

(57) Abstract: Disclosed are methods for treating, preventing or inhibiting tumor cell metastasis, tumor cell formation, and destroying tumors in a subject comprising administering to the subject in need of such therapy a therapeutically effective amount of an activated al1bB3 receptor antagonist and by transplanting affected bone marrow with B3-/- marrow or controlling the expression of B3 integrin in vitro or in vivo. The activated al1bB3 receptor antagonist is preferably a spiro compound.



WO 2005/044978 A3